

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1 **Claim 1 (currently amended):** A printer comprising:
2 a print head for making reciprocating motion
3 transversely with respect to a recording medium to thereby
4 perform both forward printing and backward printing on the
5 recording medium;
6 a misalignment correction unit for correcting
7 misalignment between the forward printing and the backward
8 printing;
9 ~~a temperature detection unit for detecting an ambient~~
10 ~~temperature;~~
11 a setting unit for setting a correction reference
12 value for the misalignment correction unit;
13 a first temperature detection unit for detecting an
14 ambient temperature of the printer as a first temperature
15 when setting the correction reference value by the setting
16 unit;
17 a second temperature detection unit for detecting an
18 ambient temperature of the printer as a second temperature
19 when performing the printing by the printer;
20 a correction reference value storage unit for storing
21 the correction reference value set by the setting unit ~~and~~
22 ~~the ambient temperature detected by the temperature~~

23 ~~detection unit when the correction reference value is set,~~
24 ~~and~~
25 a first temperature storage unit for storing the first
26 temperature detected by the first temperature detection
27 unit; and,
28 a calculation unit for calculating a misalignment
29 correction value by revising the correction reference value
30 read out from the correction reference value storage unit
31 on the basis of a result of comparison between the ~~ambient~~
32 first temperature stored in the read out from the first
33 temperature storage unit and an ambient the second
34 temperature at the time of printing detected by the second
35 temperature detection unit;
36 wherein the misalignment correction unit corrects
37 misalignment on the basis of the misalignment correction
38 value calculated by the calculation unit.

1 **Claim 2 (currently amended):** The printer as claimed
2 in claim 1, wherein the correction reference value storage
3 unit stores a temperature subrange table on which
4 consecutive numbers for indicating temperature subranges
5 respectively are assigned to the temperature subranges
6 obtained by dividing an available temperature range of the
7 printer on the basis of the amount of misalignment at each
8 temperature in such a manner that a temperature subrange
9 larger in the amount of misalignment is narrower than a

10 temperature subrange smaller in the amount of misalignment;
11 and
12 the calculation unit refers to the temperature
13 subrange table, decides a temperature subrange including
14 the ~~ambient~~second temperature detected by the second
15 temperature detection unit and calculates the misalignment
16 correction value by revising the correction reference value
17 on the basis of a difference between a number stored in the
18 first temperature storage unit and indicating a temperature
19 subrange including the ~~ambient~~first temperature detected
20 ~~at the time of setting of the correction reference value~~
21 and a number indicating a temperature subrange including a
22 ~~present ambient temperature detected by the temperature~~
23 ~~detection unit~~ the second temperature.

1 **Claim 3 (currently amended):** A print control method
2 for correcting misalignment between forward printing and
3 backward printing when a print head makes reciprocating
4 motion transversely with respect to a recording medium to
5 thereby perform both the forward printing and the backward
6 printing on the recording medium, the method comprising the
7 steps of:

8 providing a setting mode for setting ~~[[the]]~~a
9 correction reference value for correcting the misalignment;

10 storing the set correction reference value and an
11 ambient temperature of a printer as a first temperature at
12 the time of setting of the correction reference value; and
13 calculating a misalignment correction value by
14 revising the correction reference value on the basis of a
15 result of comparison between the ~~ambient~~ first temperature
16 ~~at the time of setting of the correction reference value~~
17 and an ambient temperature of the printer at the time of
18 printing as a second temperature to thereby correct
19 misalignment on the basis of the calculated misalignment
20 correction value.